

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT: Perkin-Elmer Corporation,
Applied Biosystems Division

(ii) TITLE OF INVENTION: HYBRIDIZATION ASSAY USING SELF-
QUENCHING FLUORESCENCE PROBE

(iii) NUMBER OF SEQUENCES: 14

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: David J. Weitz,
Haynes & Davis

(B) STREET: 2180 Sand Hill Road, Suite 310

(C) CITY: Menlo Park

(D) STATE: California

(E) COUNTRY: USA

(F) ZIP: 94025-6935

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5 inch diskette

(B) COMPUTER: IBM compatible

(C) OPERATING SYSTEM: Microsoft Windows 3.1/DOS 5.0

(D) SOFTWARE: Wordperfect for windows 6.0,
ASCII (DOS) TEXT format

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/340,558

(B) FILING DATE: 16-NOV-94

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: David J. Weitz

(B) REGISTRATION NUMBER: 38,362

(C) REFERENCE/DOCKET NUMBER: PELM4264CIP2

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (415) 233-0188

(B) TELEFAX: (415) 233-1129

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 24 nucleotides

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
ACCCACAGGA ACTGATCACC ACTC 24

(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 26 nucleotides
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
ATGTCGCGTT CCGGCTGACG TTCTGC 26

(2) INFORMATION FOR SEQ ID NO: 3:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 27 nucleotides
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
TCGCATTACT GATCGTTGCC AACCACT 27

(2) INFORMATION FOR SEQ ID NO: 4
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 31 nucleotides
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4
GTACTGGTTG GCAACGATCA GTAATGCGAT G 31

(2) INFORMATION FOR SEQ ID NO: 5
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 28 nucleotides
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5
CGGATTTGCT GGTATCTATG ACAAGGAT 28

(2) INFORMATION FOR SEQ ID NO: 6

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 31 nucleotides
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6
TTCATCCTTG TCATAGATAAC CAGCAAATCC G 31
- (2) INFORMATION FOR SEQ ID NO: 7
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 25 nucleotides
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
TCACCCACAC TGTGCCCATC TACGA 25
- (2) INFORMATION FOR SEQ ID NO: 8
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 25 nucleotides
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8
CAGCGGAACC GCTCATTGCC AATGG 25
- (2) INFORMATION FOR SEQ ID NO: 9
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 26 nucleotides
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9
ATGCCCTCCC CCATGCCATC CTGCGT 26
- (2) INFORMATION FOR SEQ ID NO: 10
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 30 nucleotides
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10
AGACGCAGGA TGGCATGGGG GAGGGCATAAC 30

(2) INFORMATION FOR SEQ ID NO: 11

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 24 nucleotides
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11

CGCCCTGGAC TTCGAGCAAG AGAT 24

(2) INFORMATION FOR SEQ ID NO: 12

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 28 nucleotides
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12

CCATCTCTTG CTCGAAGTCC AGGGCGAC 28

(2) INFORMATION FOR SEQ ID NO: 13

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 21 nucleotides
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13

CAAGCTTCCC GTTCTCAGCC T 21

(2) INFORMATION FOR SEQ ID NO: 14

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 nucleotides
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14

ACCGTCAAGG CTGAGAACGG GAAGCTTGTC 30